## EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| L2 | 12095 | parallel near2 test$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/27 16:50 |
| L3 | 26 | 2 and teradyne.as. | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/27 16:51 |
| S1 | 75 | (SHARMA near2 DEBENDRA).in. (RAJAMANI near2 GURUSHANKAR).in. (HOANG near2 HANH).in. | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:05 |
| S2 | 1464 | 713/6$2.ccls. | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:10 |
| S3 | 10373 | 703/1$1.ccls. 703/2$1.ccls. | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:12 |
| S4 | 6955 | (send$3 transmi$5) near5 data with (rate frequency) near4 (vary$3 chang$3 range) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:14 |
| S5 | 170 | S4 same (test$3 verification) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:14 |
| S6 | 169 | S4 with (buffer fifo) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:14 |
| S7 | 3 | S6 same (test$3 verification) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:15 |
| S8 | 1586 | frequency adj shifter | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:22 |
| S9 | 39 | S8 same (test$3 verification) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:22 |
| S10 | 24652 | receiv$3 near5 clock near5 data | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:36 |
| S11 | 2850 | (send$3 transmi$5) near4 data with (rate clock frequenc$3) near3 range | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:37 |
| S12 | 17 | S10 with S11 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:37 |

| S13 | 1218 | asynchronous near3 buffer | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:40 |
|-----|------|---------------------------|------------------------|-----|-----|------------------|
| S14 | 19 | S13 with (test$3 verification) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:40 |
| S15 | 18552 | (fifo buffer) near4 (test$3 verification) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:43 |
| S16 | 2674 | (send$3 receiv$3 writ$3 fill $3) near4 data with (rate $1 frequenc$3 clock) near4 (range vary$3 varie$1) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:44 |
| S17 | 16 | S15 and S16 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:45 |
| S18 | 2 | S15 same S16 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:45 |
| S19 | 347 | (fifo buffer) with (output read$3 send$3 transmi$5) near4 (rate frequenc$3 speed) near4 (range vary $3 varie$1) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:54 |
| S20 | 3 | S19 same (test$3 verification) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/11 16:55 |
| S21 | 77998 | (buffer fifo) with (data near4 (send$3 transmi$5 output$4)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:07 |
| S22 | 363 | S21 with (rate speed frequency) near4 (varie$1 vary$3 chang$3 range) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:16 |
| S23 | 340 | S21 with (rate speed frequency) near4 (varie$1 vary$3 chang$3) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:17 |
| S24 | 14 | S23 and verification | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:17 |
| S25 | 2833 | data near4 (send$3 transmi $5 output$4) with (rate frequency speed) near4 (varie$1 vary$3 random) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:20 |
| S26 | 36 | S25 and (buffer fifo) with (test$3 verification) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:21 |
| S27 | 6 | S25 same (buffer fifo) with (test$3 verification) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:22 |

| S28 | 2194 | data near4 (send$3 transmi $5 output$4) with (rate frequency speed) near4 (varie$1 vary$3) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:25 |
|-----|------|-------------|----------|----|-----|------------|
| S29 | 25 | S28 with test$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:25 |
| S30 | 5800 | (716/4 716/5/ 716/6).ccls. | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:34 |
| S31 | 4600 | 702/11$1.ccls. 702/12$1. ccls. | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:35 |
| S32 | 0 | input adj (buffer fifo) with test$3 with (data near4 (speed rate frequency) near4 (varie$1 vary$3 chang$3 random$5)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:39 |
| S33 | 0 | "546073".pn. | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:43 |
| S34 | 1 | "6584584".pn. | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:43 |
| S35 | 70 | fifo near5 verification | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:45 |
| S36 | 42 | S35 and (data with (rate$1 frequenc$3 speed) near4 (varie$1 vary$3 random$5 chang$3)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:46 |
| S37 | 686 | fifo near4 (test$3 verification) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:46 |
| S38 | 68 | S37 and (data with (rate$1 frequenc$3 speed) near4 (varie$1 vary$3 random$5 chang$3)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/18 18:47 |
| S39 | 2 | ("2003/0177423").URPN. | USPAT | OR | OFF | 2008/03/18 18:50 |
| S40 | 7 | ("4811277" | "5701306" | "5929650" | "6047344" | "6055658" | "6343366" | "6668237").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/03/19 13:08 |
| S41 | 1 | "20030177423".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/03/19 13:09 |
| S42 | 2 | ("2003/0177423").URPN. | USPAT | OR | OFF | 2008/03/19 13:09 |

| S43 | 785 | fifo near5 (test$3 verification) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/19 13:39 |
|-----|------|----------------------------------|----------------------|-----|------|------------------|
| S44 | 8059 | (read$3 writ$3) near4 (rate $1 speed$1 frequenc$3) near4 (chang$3 vary$3 varie$1) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/19 13:39 |
| S45 | 0 | S43 same S44 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/19 13:40 |
| S46 | 4 | S43 and S44 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/19 13:40 |
| S47 | 2 | (rate$1 speed$1 frequenc $3) near4 (chang$3 vary$3 varie$1) with S43 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/19 13:49 |
| S48 | 670 | (read near3 clock) near6 (chang$3 vary$3 varie$1) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/19 13:55 |
| S49 | 0 | S48 same S43 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/19 13:55 |
| S50 | 8 | S48 and S43 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/19 13:55 |
| S51 | 49 | read$3 near4 (clock rate frequency speed) near4 (vary$3 varie$1 chang$3 random$5) with fifo | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/19 14:12 |
| S52 | 0 | S51 same (test$3 verification testbench) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/19 14:13 |
| S53 | 7 | ("5778218" | "6055216"). PN. OR ("6347380").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/03/19 14:14 |
| S54 | 3 | ("6178213").PN. OR ("6519722").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/03/19 14:20 |
| S55 | 11343 | (vary$3 varie$1) near4 clock$1 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 14:52 |
| S56 | 291 | S55 with (test$3 verification) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 14:52 |
| S57 | 0 | S55 with (test$3 near3 fifo) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 14:53 |

| S58 | 0 | S55 same (test$3 near3 fifo) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 14:53 |
| S59 | 285 | S55 with test$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 14:55 |
| S60 | 3 | S55 with (test$3 near3 buffer) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 14:55 |
| S61 | 196186 | (vary$3 varie$1) near4 (frequenc$3 rate$1) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 14:55 |
| S62 | 0 | S61 with (test$3 near3 fifo) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 14:56 |
| S63 | 28 | fifo near4 (underflow$3 overflow$3) near4 test$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 14:56 |
| S64 | 47 | fifo near4 (test$3 check$3 verification) with (underflow$3 overflow$3) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 14:57 |
| S65 | 0 | S64 same (clock$1 frequenc$3 rate$1 read$3 writ$3) near4 (vary$3 varie $1) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 14:57 |
| S66 | 628 | fifo near4 test$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 15:09 |
| S67 | 10 | S66 same (vary$3 varie$1 chang$3 random$5) near4 (clock$1 rate$1 frequenc$3 read$3 writ$3) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 15:10 |
| S68 | 5 | S66 with asynchronous | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 15:16 |
| S69 | 446 | pointer$1 near5 (rate$1 speed$1 frequenc$3 clock $1) near5 (chang$3 varie $1 vary$3) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 15:25 |
| S70 | 26 | S69 same fifo | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 15:25 |
| S71 | 0 | (dual adj port adj ram) with (read$3 near4 (frequenc$3 rate$1 speed $1 clock$1) near4 (vary$3 varie$1 chang$3)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/24 15:31 |

| S72 | 31 | (dual adj port adj ram) and (read$3 near4 (frequenc$3 rate$1 speed$1 clock$1) near4 (vary$3 varie$1 chang$3)) | US-PGPUB; USPAT; EPO | OR | | OFF | 2008/03/24 15:32 |
|-----|-----|-----|-----|-----|-----|-----|-----|
| S73 | 4 | (dual adj port adj ram) same (read$3 near4 (frequenc$3 rate$1 speed $1 clock$1) near4 (vary$3 varie$1 chang$3)) | US-PGPUB; USPAT; EPO | OR | | OFF | 2008/03/24 15:32 |
| S74 | 2 | ((dual adj port adj ram) fifo) near4 (test$3 testbench verification) with clock$1 near3 different | US-PGPUB; USPAT; EPO | OR | | OFF | 2008/03/24 16:03 |
| S75 | 6 | (regression near3 test$3) with (clock$1 rate$1 frequenc$3) near4 (vary$3 varie$1 different chang$3) | US-PGPUB; USPAT; EPO | OR | | OFF | 2008/03/24 17:06 |
| S76 | 47 | (increas$3 decreas$3) near4 (clock$1 rate$1 frequenc$3) with (fifo near4 read$3) | US-PGPUB; USPAT; EPO | OR | | OFF | 2008/03/24 17:09 |
| S77 | 0 | (fifo "dual port ram") near4 (test$3 verification) with (read near4 (frequenc$3 speed rate$1 clock) near4 (varie$1 vary$3 increas$3 decreas$3)) | US-PGPUB; USPAT; EPO | OR | | OFF | 2008/03/24 17:12 |
| S78 | 44 | (fifo "dual port ram") with (read near4 (frequenc$3 speed rate$1 clock) near4 (varie$1 vary$3 increas$3 decreas$3)) | US-PGPUB; USPAT; EPO | OR | | OFF | 2008/03/24 17:12 |
| S79 | 0 | S78 same test$3 | US-PGPUB; USPAT; EPO | OR | | OFF | 2008/03/24 17:12 |
| S80 | 0 | S78 and (fifo "dual port ram") near4 (test$3 verification) | US-PGPUB; USPAT; EPO | OR | | OFF | 2008/03/24 17:12 |
| S81 | 2505 | (prevent$3 avoid$3) near4 underflow | US-PGPUB; USPAT; EPO | OR | | OFF | 2008/03/24 17:15 |
| S82 | 4 | S81 with (read$3 near4 (frequenc$3 rate speed clock) near4 (decreas$3 adjust$4)) | US-PGPUB; USPAT; EPO | OR | | OFF | 2008/03/24 17:15 |
| S83 | 78 | schmoo | US-PGPUB; USPAT; EPO | OR | | OFF | 2008/03/25 11:40 |

| S84 | 26 | schmoo with test$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 11:40 |
|-----|------|------------------|----------|----|-----|----------------|
| S85 | 131 | shmoo | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 11:45 |
| S86 | 0 | shmoo with fifo | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 11:46 |
| S87 | 1 | shmoo same fifo | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 11:46 |
| S88 | 0 | shmoo with (dual adj port) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 11:47 |
| S89 | 0 | shmoo same (dual adj port) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 11:47 |
| S90 | 0 | shmoo and (dual adj port) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 11:48 |
| S91 | 0 | schmoo and (dual adj port) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 11:48 |
| S92 | 67 | shmoo with test$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 11:48 |
| S93 | 64 | S85 same (clock$1 frequenc$3 rate$1 speed $1) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 11:49 |
| S94 | 1305 | elastic adj buffer | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 12:16 |
| S95 | 645 | ((elastic adj buffer) fifo) with (watermark (almost near2 full empty))) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 12:16 |
| S96 | 13 | S95 same (output$3 read $3) near4 (rate frequenc$3 speed clock$1) near4 (adjust$4 increas$3 decreas $3 control$4) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 12:17 |
| S97 | 857 | ((elastic adj buffer) fifo) with (watermark ((almost near$2) near2 (full empty))) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 14:02 |
| S98 | 7 | S97 with (output$3 read $3) near4 (rate frequenc$3 speed clock$1) near4 (adjust$4 increas$3 decreas $3 control$4) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 14:04 |

| S99 | 35 | ("4748588" | "4873667" | "4888739" | "4891788" | "4942553" | "5084841" | "5088061" | "5220586" | "5262996" | "5311475" | "5381126" | "5426756" | "5473756" | "5491659" | "5506809" | "5555524" | "5557575" | "5629886" | "5758192" | "5781802" | "5898893" | "5956748" | "6097656" | "6263410"). PN. OR ("6389490").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/03/25 14:06 |
| S100 | 322 | ((elastic adj buffer) fifo) with (prevent$3 avoid$3) near4 under$7 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 14:12 |
| S101 | 24 | S100 same (adjust$4 control$4 increas$3 decreas$3 vary$3 varie$1) near4 (output$4 read$3 transmi $5) near4 (clock$1 rate$1 speed$1 frequenc$3) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 14:13 |
| S102 | 13213 | (read$3 output$3) near4 (clock$1 speed$1 frequenc $3 rate$1) with (increas$3 higher above more greater) near4 (input$4 writ $3) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 14:37 |
| S103 | 1123 | (read$3 output$3) near4 (clock$1 speed$1 frequenc $3 rate$1) near4 (rais$3 increas$3 adjust$4 control $4) with (higher above more greater) near4 (input $4 writ$3) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 14:38 |
| S104 | 6 | S103 same (buffer fifo) near4 (over$7) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 14:39 |
| S105 | 493 | (flag$1 signal$4 indicat$3 watermark) near6 ((empy full) near3 (almost near $3)) with (buffer fifo) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 14:44 |
| S106 | 1299 | (control$4 increas$3 rais$3 adjust$4) near4 (read$3 output$4 send$3) near4 (clock rate frequenc$3 speed) with (higher above over greater) near4 (writ$3 input$4 receiv$3) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 14:46 |
| S107 | 2 | S105 and S106 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 14:47 |

| S108 | 224 | (buffer fifo) with (transmi $5 send$3) near4 data near4 test | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 14:51 |
| S109 | 11 | S108 same (flow near3 control$4) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 14:51 |
| S110 | 5 | throttl$3 near4 read$3 near4 clock | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 15:53 |
| S111 | 3 | ("6178213").PN. OR ("6519722").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/03/25 16:10 |
| S112 | 13068 | (increas$3 decreas$3 control$4 adjust$4) near4 read near4 (clock$1 rate$1 speed$1 frequenc$3) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 17:43 |
| S113 | 17 | S108 and S112 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 17:44 |
| S114 | 881 | (adjust$3 control$3 increas $3 decreas$3 rais$3 lower $3) near4 (above higher greater below under less lower) near4 (clock$1 rate $1 speed$1 frequenc$3) with read$3 with writ$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 17:48 |
| S115 | 91 | S114 with (fifo buffer (dual adj port)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 17:49 |
| S116 | 62 | S115 same (under$7 over $7) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 17:49 |
| S117 | 0 | S115 same (near$2 almost) near3 (full empty) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 17:50 |
| S119 | 2 | S115 and (near$2 almost) near3 (full empty) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 17:50 |
| S120 | 62 | S116 S119 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 17:50 |
| S121 | 80 | (fifo buffer) near5 (full empty) with (read$3 near4 (clock$1 frequenc$3 speed $1 rate$1) near4 (control $4 increas$3 decreas$3 adjust$4 rais$3 lower$3)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 18:09 |

| S122 | 7 | (fifo buffer) near5 (full empty) near5 (flag$1 signal $4) with (read$3 near4 (clock$1 frequenc$3 speed $1 rate$1) near (control $4 increas$3 decreas$3 adjust$4 rais$3 lower$3)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 18:10 |
|------|---|---|---|---|---|---|
| S123 | 0 | (fifo buffer) near5 (full empty) near5 (flag$1 signal $4) with (read$3 near4 (clock$1 frequenc$3 speed $1 rate$1) near4 (increas $3 decreas$3 adjust$4 rais $3 lower$3)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 18:14 |
| S124 | 11 | (fifo buffer) near5 (full empty) near5 (flag$1 signal $4) same(read$3 near4 (clock$1 frequenc$3 speed $1 rate$1) near4 (increas $3 decreas$3 adjust$4 rais $3 lower$3)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 18:14 |
| S125 | 43 | read$3 near4 (clock$1 speed$1 rate$1 frequenc $3) near4 (reduc$4 lower $3 decreas$3) with (slower less under below) near4 writ$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 18:19 |
| S126 | 9 | S125 same (fifo buffer (dual adj port)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 18:20 |
| S127 | 27 | S125 and (fifo buffer (dual adj port)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 18:20 |
| S128 | 72 | read$3 near4 (clock$1 speed$1 rate$1 frequenc $3) near4 (rais$3 increas $3) with (faster more above greater) near4 writ $3 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 18:23 |
| S129 | 36 | S128 and (fifo buffer (dual adj port)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 18:23 |
| S130 | 7 | ("5778218" | "6055216"). PN. OR ("6347380").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/03/25 18:29 |
| S131 | 739 | (send$3 transmi$5) near4 data with (second adj (fifo buffer)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 19:39 |
| S132 | 3 | S131 with test$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 19:40 |

| S133 | 10 | S131 same test$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/25 19:41 |
| S134 | 27 | (fifo (elastic adj buffer)) near4 (send$3 provid$3 transmi$5) with (data near3 test$3) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 14:02 |
| S135 | 12 | ("4953180" \| "5115451" \| "5557634" \| "5557751" \| "5600656" \| "5627858" \| "5652721" \| "5787114"). PN. OR ("5953372").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/03/26 14:09 |
| S136 | 88094 | (send$3 transmi$5 output $4) near6 (fifo buffer) with (input$4 receiv$3) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 14:15 |
| S137 | 2093 | S136 with test$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 14:15 |
| S138 | 2558 | (transmi$5 near6 fifo buffer) with receiv$3 with test$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 14:16 |
| S139 | 477 | (transmi$5 near6 fifo buffer) with receiv$3 with (test$3 near3 data) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 14:16 |
| S140 | 1138 | (transmi$5 near2 fifo) with (receiv$3 near2 fifo) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 14:16 |
| S141 | 1 | S140 with (test$3 near3 data) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 14:17 |
| S142 | 3 | S140 same (test$3 near3 data) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 14:28 |
| S143 | 367 | (buffer fifo) with (receiv$3 near4 test$3 near4 data) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 14:29 |
| S144 | 49 | S143 same (buffer fifo) with (send$3 transmi$5) near4 (test$3 near4 data) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 14:30 |
| S145 | 14 | (fifo near3 transmi$5) with (data near4 test$3) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 16:32 |
| S146 | 8 | ("4953180" \| "5115451" \| "5557634" \| "5557751" \| "5600656" \| "5627858" \| "5652721" \| "5787114"). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/03/26 16:43 |

| S147 | 12 | ("4953180" \| "5115451" \| "5557634" \| "5557751" \| "5600656" \| "5627858" \| "5652721" \| "5787114"). PN. OR ("5953372").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/03/26 16:43 |
|------|------|------|------|------|------|------|
| S148 | 1322 | loopback near4 test$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/03/26 16:46 |
| S149 | 2092 | (fifo near3 (send$3 transmi $5)) same (fifo near3 receiv $3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/03/26 16:47 |
| S150 | 93 | S148 and S149 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/03/26 16:47 |
| S151 | 4036 | (fifo near4 (send$3 transmi $5) near4 data) same (off-chip near4 receiv$3 mear4 fifo) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:03 |
| S152 | 13 | S151 same data near3 test | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:04 |
| S153 | 0 | (fifo near4 (send$3 transmi $5) near4 data) same (off-chip near4 receiv$3 near4 fifo) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:06 |
| S154 | 1240 | (fifo near4 (send$3 transmi $5) near4 data) same (receiv$3 near4 fifo) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:06 |
| S155 | 3 | S154 same data near3 test | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:07 |
| S156 | 63 | (timing adj generator) and teradyne.as. | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:13 |
| S157 | 6 | S156 and (fifo near5 (transmi$5 send$3 receiv $3 input$4 output$4)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:13 |
| S158 | 210 | (transmi$5 output send$3) near3 (fifo buffer) with tester | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:18 |
| S159 | 80 | dut with (receiv$3 input$4) near4 (fifo buffer) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:18 |
| S160 | 10 | S158 and S159 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:19 |
| S161 | 0 | fifo near5 data near5 sychroniz$5 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:23 |

| S162 | 909 | fifo near5 data near5 synchroniz$5 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:23 |
|------|-----|-----|-----|-----|-----|-----|
| S163 | 57 | S162 with domain$1 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:23 |
| S164 | 153 | uart near5 test$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:24 |
| S165 | 124 | S164 and (second another receiv$3) near4 uart | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:24 |
| S166 | 18 | S165 and fifos | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:25 |
| S167 | 37 | S165 and fifo | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:25 |
| S168 | 123 | fifo near4 (accept$3 receiv $3 input) near4 data with (synchroniz$5 near5 (local clock domain)) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:31 |
| S169 | 0 | fifo with (shmoo schmoo) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:54 |
| S170 | 1 | fifo same (shmoo schmoo) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 17:54 |
| S171 | 2 | fifo and (shmoo schmoo) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/03/26 18:24 |

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